

# M A T E R I A L   S A F E T Y   D A T A   S H E E T

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

THIS MATERIAL SAFETY DATA SHEET IS AVAILABLE IN SPANISH UPON REQUEST.

LOS DATOS DE SEGURIDAD DEL PRODUCTO PUEDEN OBTENERSE EN ESPANOL SI LO REQUIERE.

PRODUCT NAME : HIGH HEAT MORTAR  
 UPC NUMBER : 7079818854  
 PRODUCT USE/CLASS : Colored gunnable mortar

MANUFACTURER: 24 HOUR EMERGENCY:  
 DAP INC. TRANSPORTATION: 1-800-535-5053 (352-323-3500)  
 2400 BOSTON STREET MEDICAL : 1-800-327-3874 (513-558-5111)  
 BALTIMORE, MD 21224

PREPARE DATE : 10/29/1997 GENERAL INFORMATION:  
 REVISION NO. : 2 DAP INC. : 1-888-DAP-TIPS (1-888-327-8477)  
 REVISION DATE: 03/22/2000

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % RANGE
01	Sodium hydroxide	1310-73-2	0.8-1.2 %
02	Hydrous Aluminum Silicate	1332-58-7	40.0-50.0 %
03	Sodium Silicate	1344-09-8	40.0-50.0 %
04	Calcium Metasilicate	13983-17-0	3.0-6.0 %

### EXPOSURE LIMITS

ITEM	ACGIH		OSHA		COMPANY	SKIN
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	
01	N.E.	2.0 mg/m3*	N.E.	2.0 mg/m3	N.E.	NO
02	10 mg/m3	N.E.	5 mg/m3	N.E.	N.E.	NO
03	N.E.	N.E.	N.E.	N.E.	N.E.	NO
04	N.E.	N.E.	N.E.	N.E.	N.E.	NO

(See Section 16 for abbreviation legend), \* - TLV-Ceiling Value

Remaining ingredients are not considered hazardous per the OSHA Hazard Communication Standard.

Listed Permissible Exposure Levels (PEL) are from the U.S. Dept. of Labor OSHA Final Rule Limits (CFR 29 1910.1000); limits may vary between states.

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SECTION 3 - HAZARDS IDENTIFICATION  
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EMERGENCY OVERVIEW: Colored gunnable mortar with no odor. WARNING!  
Injurious to eyes and skin.

POTENTIAL HEALTH EFFECTS:

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause eye irritation and watering. Prolonged contact with eyes will cause alkaline burns.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact with skin will cause irritation and reddening.

EFFECTS OF OVEREXPOSURE - INHALATION: None known.

EFFECTS OF OVEREXPOSURE - INGESTION: May cause gastrointestinal upset.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: None known.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: Skin diseases may may be aggravated by contact from product.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INGESTION EYE CONTACT

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SECTION 4 - FIRST AID MEASURES  
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EYE CONTACT: Flush with large quantities of water until irritation subsides.

SKIN CONTACT: Wash with soap and water.

INHALATION: Remove to fresh air.

INGESTION: DO NOT INDUCE VOMITING.

COMMENTS: Call Medical in Section 1 if irritation or complications arise from any of the above routes of exposure.

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SECTION 5 - FIRE FIGHTING MEASURES  
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FLASH POINT: None

LOWER EXPLOSIVE LIMIT: N.A.

UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: N.E.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

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SECTION 5 - FIRE FIGHTING MEASURES  
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SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES  
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SPILL OR LEAK PROCEDURES: Use absorbent material or scrape up dried material and place into containers.

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SECTION 7 - HANDLING AND STORAGE  
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HANDLING INFORMATION: KEEP OUT OF REACH OF CHILDREN. Avoid prolonged or repeated contact with skin. Avoid contact with eyes.

STORAGE INFORMATION: Store away from caustics and oxidizers. Keep containers tightly closed when not in use. Keep containers from excessive heat and freezing. Do not store at temperatures above 120 degrees F.

OTHER PRECAUTIONS: None.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION  
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ENGINEERING CONTROLS: Normal room ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Not required under normal usage and adequate ventilation.

EYE PROTECTION: Safety glasses with side shields recommended.

SKIN PROTECTION: Wear rubber gloves.

OTHER PROTECTIVE EQUIPMENT: Wear rubber apron.

HYGIENIC PRACTICES: Wash contaminated clothing before reuse.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES  
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BOILING RANGE : N.A. VAPOR DENSITY : N.A.  
ODOR : No odor  
APPEARANCE : Colored mortar EVAPORATION RATE: N.A.  
SOLUBILITY IN H2O : Partly until dry.  
SPECIFIC GRAVITY : 1.8000  
VAPOR PRESSURE : N.A.  
PHYSICAL STATE : Liquid mortar

(See Section 16 for abbreviation legend)

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SECTION 10 - STABILITY AND REACTIVITY  
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CONDITIONS TO AVOID: Excessive heat and freezing.

INCOMPATIBILITY: Contact with acid will cause evolution of heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal decomposition products, i.e. COx,  
NOx

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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SECTION 11 - TOXICOLOGICAL PROPERTIES  
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No product or component toxicological information is available.

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SECTION 12 - ECOLOGICAL INFORMATION  
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No Information is available.

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SECTION 13 - DISPOSAL CONSIDERATIONS  
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WASTE MANAGEMENT/DISPOSAL: Dispose of according to Federal, State, and  
Local Standards. This product does not meet the definition of a hazardous  
waste according to U.S. EPA Hazardous Waste Management Regulations, 40 CFR  
Section 261. State and Local regulations/restrictions are complex and may  
differ from Federal regulations. Responsibility for proper waste disposal  
is with the owner of the waste.

EPA WASTE CODE - If discarded (40 CFR 261): None.

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SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by D.O.T.

DOT HAZARD CLASS: NONE

DOT UN/NA NUMBER: NONE                      PACKING GROUP: NONE

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % RANGE
Sodium hydroxide	1310-73-2	0.8-1.2 %

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
No information is available.	

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME -----	CAS NUMBER
Water	7732-18-5

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME -----	CAS NUMBER
No non-hazardous ingredients are present at greater than 3%.	

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME -----	CAS NUMBER
No Proposition 65 chemicals exist in this product.	

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SECTION 15 - REGULATORY INFORMATION  
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INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: Not Regulated.

VOC less water, less exempt solvents: 0 gm/l (Calculated)

VOC material: 0 gm/l (Calculated)

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SECTION 16 - OTHER INFORMATION  
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HMIS RATINGS - HEALTH: 2            FLAMMABILITY: 0            REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 01/10/2000

REASON FOR REVISION:

SECTION 1: Change to the product name

LEGEND: ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS  
N.A. - NOT APPLICABLE  
N.E. - NOT ESTABLISHED  
PEL - PERMISSIBLE EXPOSURE LIMIT  
NTP - NATIONAL TOXICOLOGY PROGRAM  
SARA - SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986  
STEL - SHORT TERM EXPOSURE LIMIT  
TLV - THRESHOLD LIMIT VALUE (8 HR. TIME WEIGHTED AVERAGE OR TWA)  
VOC - VOLATILE ORGANIC COMPOUND  
NJRTK - NEW JERSEY RIGHT TO KNOW LAW  
N.D. - NOT DETERMINED

MSDS#: 77370  
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This data is offered in good faith as typical values and not as a product specification. No warranty either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review the recommendations in specific context of the intended use and determine if they are appropriate.

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< End OF MSDS >